

02/20/02
J1000 U.S. PTO

Please type a plus sign (+) inside this

02/25/02

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Exp. Mail EL 951611686

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 014058-005631US

First Inventor Kindsvogel, Wayne

Title IMMUNE MEDIATORS AND RELATED METHODS

Express Mail Label No. EL 951611686 US

1971/081281
02/20/02
A
S1 Pro

APPLICATION ELEMENTS

See MPEP chapter 600 concerning design patent application contents.

1. X Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. X Specification [Total Pages 141]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C.113) [Total Sheets 2]
5. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. X Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. X Application Data Sheet. See 37 CFR 1.76

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. X Computer Readable Form (CRF) - *request to use parent*
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. X paper number of pages 61
 - c. X Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 C.F.R. §3.73(b)Statement X Power of (when there is an assignee) Attorney
11. English Translation Document (if applicable)
12. X Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. X Preliminary Amendment
14. X Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
17. X Other: Supplemental IDS.

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

X Continuation Divisional Continuation-in-part (CIP)

of prior application No: 09/261,811, filed March 3, 1999

Prior application information: Examiner A. DeCloux

Group Art Unit: 1644

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label 20350 or Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Annette S. Parent	Registration No. (Attorney/Agent)	42,058
Signature	<i>Annette S. Parent</i>		Date 02/20/2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

SF 1316847 v1

Please type a plus sign (+) inside this box →

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

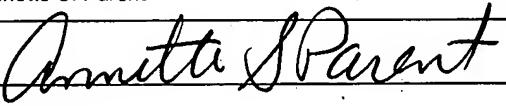
(to be used for all correspondence after-initial filing)

		Application Number	
		Filing Date	
		First Named Inventor	Kindsvogel, Wayne
		Group Art Unit	51
		Examiner Name	
Total Number of Pages in This Submission	280	Attorney Docket Number	014058-005631US

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)		
	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):		
	Return Postcard; Fee Trans SB/17 (2); Statement Under 37 CFR 1.821(e); Comm./Amend. of March 26, 2001 and printed seq. listing pages 1-61; Appl. Data Sheet; Util. Pat. Trans. SB/05; copy of Dec./Power of Atty. from parent; Rev. of Power attaching Statement 3.73(b) and copies of Assignments as exhibits from parent; Info. Disc. Statement; Suppl. Info. Disc. Statement; Preliminary Amendment.		
	Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

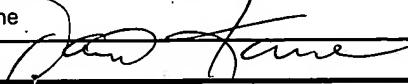
Firm and Individual name	Townsend and Townsend and Crew LLP Annette S. Parent	
Signature		
Date	02/20/2002	

CERTIFICATE OF MAILING

Express Mail Label: EL951611686 US

I hereby certify that this correspondence is being deposited with the United States Postal Service with "Express Mail Post Office to Address" service under 37 CFR 1.10 on this date 02/20/2002 and is addressed to:

Assistant Commissioner for Patents, Washington, D.C. 20231

Typed or printed name	Dana Kane	
Signature		Date 02/20/2002

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.
Exp. Mail EL 951611686 US

TOTAL AMOUNT OF PAYMENT (\$ 830

Complete If Known

Application Number	
Filing Date	
First Named Inventor	Kindsvogel, Wayne
Examiner Name	
Group Art Unit	
Attorney Docket No.	014058-005631US

107081281
C971 U.S. PTO
02/20/02

METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																																																																																																			
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <input type="text" value="20-1430"/></p> <p>Deposit Account Name <input type="text" value="Townsend and Townsend and Crew LLP"/></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65 SurchARGE - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25 SurchARGE - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130 Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520 For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920* Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840* Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55 Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200 Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460 Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720 Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980 Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160 Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160 Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140 Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510 Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55 Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640 Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640 Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230 Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310 Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130 Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50 Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180 Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40 Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370 Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370 For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370 Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900 Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify)</td><td></td></tr> <tr> <td colspan="4">The Commissioner is authorized to charge any additional fees to the above noted Deposit Account.</td> <td></td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) (\$)</td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65 SurchARGE - late filing fee or oath		127	50	227	25 SurchARGE - late provisional filing fee or cover sheet.		139	130	139	130 Non-English specification		147	2,520	147	2,520 For filing a request for reexamination		112	920*	112	920* Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840* Requesting publication of SIR after Examiner action		115	110	215	55 Extension for reply within first month		116	400	216	200 Extension for reply within second month		117	920	217	460 Extension for reply within third month		118	1,440	218	720 Extension for reply within fourth month		128	1,960	228	980 Extension for reply within fifth month		119	320	219	160 Notice of Appeal		120	320	220	160 Filing a brief in support of an appeal		121	280	221	140 Request for oral hearing		138	1,510	138	1,510 Petition to institute a public use proceeding		140	110	240	55 Petition to revive - unavoidable		141	1,280	241	640 Petition to revive - unintentional		142	1,280	242	640 Utility issue fee (or reissue)		143	460	243	230 Design issue fee		144	620	244	310 Plant issue fee		122	130	122	130 Petitions to the Commissioner		123	50	123	50 Petitions related to provisional applications		126	180	126	180 Submission of Information Disclosure Stmt		581	40	581	40 Recording each patent assignment per property (times number of properties)		146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))		149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))		179	740	279	370 Request for Continued Examination (RCE)		169	900	169	900 Request for expedited examination of a design application		Other fee (specify)					The Commissioner is authorized to charge any additional fees to the above noted Deposit Account.					*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																			
105	130	205	65 SurchARGE - late filing fee or oath																																																																																																																																																																				
127	50	227	25 SurchARGE - late provisional filing fee or cover sheet.																																																																																																																																																																				
139	130	139	130 Non-English specification																																																																																																																																																																				
147	2,520	147	2,520 For filing a request for reexamination																																																																																																																																																																				
112	920*	112	920* Requesting publication of SIR prior to Examiner action																																																																																																																																																																				
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action																																																																																																																																																																				
115	110	215	55 Extension for reply within first month																																																																																																																																																																				
116	400	216	200 Extension for reply within second month																																																																																																																																																																				
117	920	217	460 Extension for reply within third month																																																																																																																																																																				
118	1,440	218	720 Extension for reply within fourth month																																																																																																																																																																				
128	1,960	228	980 Extension for reply within fifth month																																																																																																																																																																				
119	320	219	160 Notice of Appeal																																																																																																																																																																				
120	320	220	160 Filing a brief in support of an appeal																																																																																																																																																																				
121	280	221	140 Request for oral hearing																																																																																																																																																																				
138	1,510	138	1,510 Petition to institute a public use proceeding																																																																																																																																																																				
140	110	240	55 Petition to revive - unavoidable																																																																																																																																																																				
141	1,280	241	640 Petition to revive - unintentional																																																																																																																																																																				
142	1,280	242	640 Utility issue fee (or reissue)																																																																																																																																																																				
143	460	243	230 Design issue fee																																																																																																																																																																				
144	620	244	310 Plant issue fee																																																																																																																																																																				
122	130	122	130 Petitions to the Commissioner																																																																																																																																																																				
123	50	123	50 Petitions related to provisional applications																																																																																																																																																																				
126	180	126	180 Submission of Information Disclosure Stmt																																																																																																																																																																				
581	40	581	40 Recording each patent assignment per property (times number of properties)																																																																																																																																																																				
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																				
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																				
179	740	279	370 Request for Continued Examination (RCE)																																																																																																																																																																				
169	900	169	900 Request for expedited examination of a design application																																																																																																																																																																				
Other fee (specify)																																																																																																																																																																							
The Commissioner is authorized to charge any additional fees to the above noted Deposit Account.																																																																																																																																																																							
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)																																																																																																																																																																			
<p>2. <input type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>																																																																																																																																																																							
FEE CALCULATION																																																																																																																																																																							
<p>1. BASIC FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370 Utility filing fee</td><td>740</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165 Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255 Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370 Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80 Provisional filing fee</td><td></td></tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid	101	740	201	370 Utility filing fee	740	106	330	206	165 Design filing fee		107	510	207	255 Plant filing fee		108	740	208	370 Reissue filing fee		114	160	214	80 Provisional filing fee																																																																																																																																							
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																			
101	740	201	370 Utility filing fee	740																																																																																																																																																																			
106	330	206	165 Design filing fee																																																																																																																																																																				
107	510	207	255 Plant filing fee																																																																																																																																																																				
108	740	208	370 Reissue filing fee																																																																																																																																																																				
114	160	214	80 Provisional filing fee																																																																																																																																																																				
<p>SUBTOTAL (1) (\$740)</p>																																																																																																																																																																							
<p>2. EXTRA CLAIM FEES</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>25</td><td>-20**</td><td>5</td><td>\$18</td><td>\$90</td></tr> <tr><td>2</td><td>-3**</td><td>0</td><td>\$84</td><td>\$0</td></tr> <tr><td colspan="4"></td><td>X =</td></tr> </tbody> </table>				Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid	25	-20**	5	\$18	\$90	2	-3**	0	\$84	\$0					X =																																																																																																																																																
Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																			
25	-20**	5	\$18	\$90																																																																																																																																																																			
2	-3**	0	\$84	\$0																																																																																																																																																																			
				X =																																																																																																																																																																			
<table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9 Claims in excess of 20</td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42 Independent claims in excess of 3</td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140 Multiple dependent claim; if not paid</td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42 ** Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9 ** Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	103	18	203	9 Claims in excess of 20	102	84	202	42 Independent claims in excess of 3	104	280	204	140 Multiple dependent claim; if not paid	109	84	209	42 ** Reissue independent claims over original patent	110	18	210	9 ** Reissue claims in excess of 20 and over original patent																																																																																																																																												
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description																																																																																																																																																																				
103	18	203	9 Claims in excess of 20																																																																																																																																																																				
102	84	202	42 Independent claims in excess of 3																																																																																																																																																																				
104	280	204	140 Multiple dependent claim; if not paid																																																																																																																																																																				
109	84	209	42 ** Reissue independent claims over original patent																																																																																																																																																																				
110	18	210	9 ** Reissue claims in excess of 20 and over original patent																																																																																																																																																																				
<p>SUBTOTAL (2) (\$90)</p>																																																																																																																																																																							

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY						Complete (if applicable)	
Name (Print/Type)	Annette S. Parent	Registration No. (Attorney/Agent)	42,058	Telephone	415-576-0200		
Signature	<i>Annette S. Parent</i>				Date	02/20/2002	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. SF 1319186 v1